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DEC 17 2002

TECH CENTER 1600/2900

SEQUENCE LISTING

<110> The Board of Regents of the University of Texas System

<120> MUTATIONS IN A NOVEL PHOTORECEPTOR-PINEAL GENE ON 17P  
CAUSE LEBER CONGENITAL AMAUROSIS (LCA4)

<130> 96606/16UTL

<140> 09/765,061

<141> 2001-01-17

<150> 60/331362

<151> 2001-01-04

<160> 10

<170> PatentIn version 3.1

<210> 79

<211> 34

<212> DNA

<213> Homo sapiens

<220>

<221> exon

<222> (1)..(34)

<223> Donor Splice Site: Residue 1-10 are the exonic sequence  
and Resi

dues 11-34 are the intronic sequence

<400> 79

cgg atc ccg agt gag tgg ggc cct ccg gag cag a  
34

<210> 80

<211> 35

<212> DNA

<213> Homo sapiens

<220>

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<222> (1)..(35)

<223> Acceptor Splice Site: Residues 1-25 are the intronic  
sequence an

d Residues 26-35 are the exonic sequence.

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<210> 81

<211> 35

<212> DNA

<213> Homo sapiens

<220>



<221> exon  
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<223> Donor Splice Site: Residue 1-10 are the exonic sequence  
and Resi  
dues 11-35 are the intronic sequence

<400> 81  
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<210> 82  
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sequence an  
d Residues 26-35 are the exonic sequence.

21  
<400> 82  
gcc atc cat ccg ttt atc ccc aca gca cac ggg gg  
35

<210> 83  
<211> 35  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)..(35)  
<223> Donor Splice Site: Residue 1-10 are the exonic sequence  
and Resi  
dues 11-35 are the intronic sequence

<400> 83  
gct gct gca ggt ggg gct ggg gtt ggc agg gct gg  
35

<210> 84  
<211> 35  
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<220>  
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<222> (1)..(35)  
<223> Acceptor Splice Site: Residues 1-25 are the intronic  
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d Residues 26-35 are the exonic sequence.



<400> 84  
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35

<210> 85  
<211> 35  
<212> DNA  
<213> Homo sapiens

<220>  
<221> exon  
<222> (1)..(35)  
<223> Donor Splice Site: Residue 1-10 are the exonic sequence  
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dues 11-35 are the intronic sequence

<400> 85  
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<210> 86  
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<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)..(35)  
<223> Acceptor Splice Site: Residues 1-25 are the intronic  
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d Residues 26-35 are the exonic sequence.

<400> 86  
cat ggc tga cct tct ccc tgg gca gga gaa gcc rt  
35

<210> 87  
<211> 35  
<212> DNA  
<213> Homo sapiens

<220>  
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<222> (1)..(35)  
<223> Donor Splice Site: Residue 1-10 are the exonic sequence  
and Resi  
dues 11-35 are the intronic sequence

<400> 87  
cac cac cca ggt gcg cgg ggc tgc agg ggc gga ca  
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<210> 88  
<211> 35



<212> DNA

<213> Homo sapiens

<220>

<221> exon

<222> (1)..(35)

<223> Acceptor Splice Site: Residues 1-25 are the intronic  
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<400> 88

gct gga tgc tcc ctg ctc ccc aca ggc atc gtg aa  
35